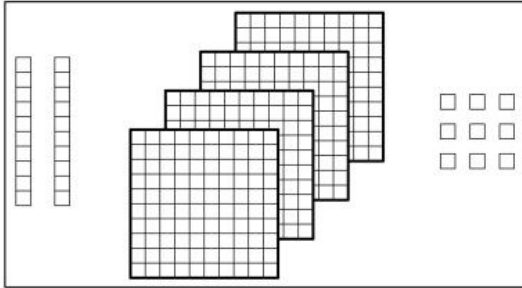


Name:

Date:

**Grade 3  
Mathematics Probe  
Form A**



1. A small square ( $\square$ ) above is equal to 1. There are 10 small squares in each strip. There are 100 small squares in each large square. What number is shown?

- A. 4,029
- B. 492
- C. 429
- D. 249

2. Which statement is true?

- A.  $352 > 759$
- B.  $442 > 436$
- C.  $518 > 819$
- D.  $883 < 794$

3. Ron was listening to the radio and heard “One hundred twenty-four thousand sixty-five books have been donated to the library.” What is this number?

- A. 12, 456
- B. 124, 065
- C. 124,650
- D. 100,024,065

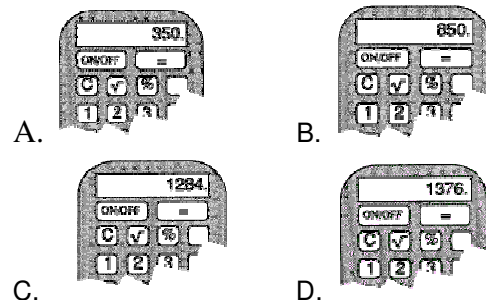
4. Write three hundred forty-one using numbers.

5. The census showed that fifty-six thousand, ninety-seven people lived in Middletown. Written as a number, that is

6. There are 50 hamburgers to serve 38 children. If each child is to have at least one hamburger, at most how many of the children can have more than one?

- A. 6
- B. 12
- C. 26
- D. 38

7. The third grade collected more than 850 bottle caps for an art project. The fourth grade class collected more than 500 bottle caps. Using her calculator, Maria found the exact total of all the bottle caps collected by both grades. Which calculator could be hers?



8.  $194 + 34$  is \_\_\_\_\_.

- A. less than 230
- B. between 230 and 240
- C. between 240 and 250
- D. more than 250

9. What is the closest estimate of  $3 + 145 + 4,620$ ?

- A. 5
- B. 50
- C. 500
- D. 5000

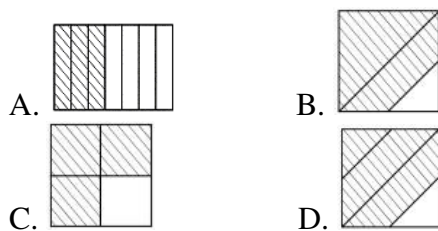
10. If Jody had 73¢ in his hand, what is the most number of quarters he could have?

\_\_\_\_\_ Quarters

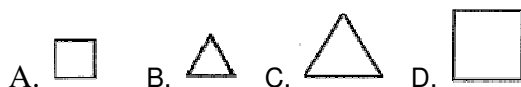
11. Which is another way to write  $(2 + 4) \times 5$ ?

- A.  $4 \times 10$
- B.  $7 + 4$
- C.  $6 \times 5$
- D.  $8 \times 5$

12. Which shows  $\frac{3}{4}$  of the picture shaded?



13. A pattern of shapes is to be repeated many times. The figure above shows one completed pattern and the beginning of the next. What shape comes next?



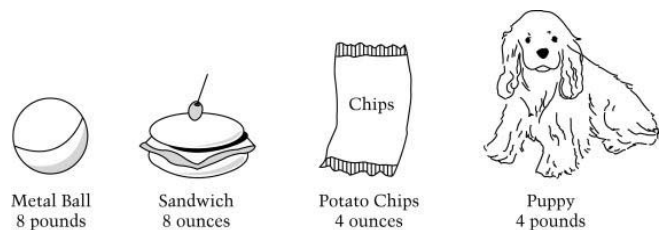
14. Sally is shorter than Ronnie. Sally is taller than Michael. Denise's height is between Sally's height and Ronnie's height. Represent this situation with a drawing and tell who is the shortest person.

15. Sam placed cookies on a cookie sheet to form 2 rows with 6 cookies in each row. Write a number sentence that describes this situation.

16. On Thursday Becky made some popcorn balls. On Friday she made 6 popcorn balls. On Saturday she made 12 popcorn balls. Becky took all 23 popcorn balls that she made to a party.

How many popcorn balls did she make on Thursday?

\_\_\_\_\_ Popcorn balls



17. In the figure above, which object is heaviest?

- A. The metal ball
- B. The sandwich
- C. The bag of potato chips
- D. The puppy

18. Alan says that if a figure has four sides, it must be a rectangle or square. Gina does not agree. Draw a figure that has four sides and is not a rectangle or a square.

19. Name an object that has the same shape as a cylinder.

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20. Which of the following is the most reasonable distance for a person to walk in one hour?

- A. 2 miles
- B. 2 yards
- C. 2 inches
- D. 2 feet

21. Which is usually measured in feet?

- A. The thickness of a coin
- B. The length of a paper clip
- C. The length of a car
- D. The distance between New York City and Chicago



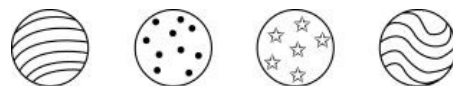
22. In the figure above, points labeled A through G are spaced evenly along a line segment. Which of the following distances is the greatest?

- A. from A to D
- B. from C to F
- C. from E to G
- D. from E to A



23. The figure above is shaded on the top side and white on the under side.

Draw how it would look if it were flipped down. (Include shaded or white.)



24. The balls in this picture are placed in a box and a child picks one without looking. What is the probability that the ball picked will be the one with dots?

- A. 1 out of 4
- B. 1 out of 3
- C. 1 out of 2
- D. 3 out of 4

25.

POINTS EARNED FROM SCHOOL EVENTS

Class	Mathathon	Readathon
Mr. Lopez	425	411
Ms. Chen	328	456
Mrs. Green	447	342

Whose class earned the most points from the two events?

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